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## NOTICE OF ALLOWANCE AND FEE(S) DUE

80548 7590 11/14/2008  
Fliesler Meyer LLP  
650 California Street  
14th Floor  
San Francisco, CA 94108

EXAMINER	
PYZOCIA, MICHAEL J	
ART UNIT	PAPER NUMBER

2437  
DATE MAILED: 11/14/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/721,557	11/22/2000	Mark Moriconi	ORACL-01453US1	5061

TITLE OF INVENTION: SYSTEM AND METHOD FOR MAINTAINING SECURITY IN A DISTRIBUTED COMPUTER NETWORK

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$0	\$0	\$755	02/17/2009

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.**

**THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.**

### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

# **PART B - FEE(S) TRANSMITTAL**

**Complete and send this form, together with applicable fee(s), to: Mail**

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**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

80548 7590 11/14/2008

**Fliesler Meyer LLP  
650 California Street  
14th Floor  
San Francisco, CA 94108**

## **Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/721,557 11/22/2000 Mark Moriconi ORACL-01453US1 5061

**TITLE OF INVENTION: SYSTEM AND METHOD FOR MAINTAINING SECURITY IN A DISTRIBUTED COMPUTER NETWORK**

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$0	\$0	\$755	02/17/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
PYZOCHA, MICHAEL J	2437	713-201000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/147; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1  
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2  
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee  
☐ Publication Fee (No small entity discount permitted)  
☐ Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_

Typed or printed name \_\_\_\_\_ Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/721,557	11/22/2000	Mark Moriconi	ORACL-01453US1	5061
80548	7590	11/14/2008	EXAMINER	
Fliesler Meyer LLP 650 California Street 14th Floor San Francisco, CA 94108			PYZOCIA, MICHAEL J	
			ART UNIT	PAPER NUMBER
			2437	
DATE MAILED: 11/14/2008				

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 714 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 714 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

**Notice of Allowability****Application No.**

09/721,557

**Examiner**

MICHAEL PYZOSHA

**Applicant(s)**

MORICONI ET AL.

**Art Unit**

2437

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 09/22/2008.
2. ☒ The allowed claim(s) is/are 57-68, 72-77, 81-86 and 90-98.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some\* c) ☐ None of the:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  
1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.  
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.  
**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 9/22/08, 10/29/08, 11/07/2008
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.



#### **DETAILED ACTION**

1. Claims 57-68, 72-77, 81-86 and 90-98 are pending.
2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 09/22/2008 has been entered.

#### **EXAMINER'S AMENDMENT**

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ted Liu on 10/29/2008.

The application has been amended as follows:

**In the Claims:**

Please amend Claims 57, 63, 72, and 81, and cancel Claim 97, all as shown below. Applicant respectfully reserves the right to prosecute any originally presented or canceled claims in a continuing or future application. This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims**

1-56. (Canceled)

57. (Currently Amended) A system for maintaining security in a distributed computing environment, comprising:

an application guard located at a client to manage access by individual transactions to securable components at a client level as specified by a local security policy, the securable components including at least one application wherein said application guard is integrated into said application and controls access to the application with which the application guard is integrated;

a policy manager stored on one or more nonvolatile memories located on a server to:

create a local security policy derived from a global security policy, said global security policy including a plurality of rules applicable to all application guards in the system, wherein creating the local security policy includes determining which of the plurality of rules of the global security policy are applicable to a particular application guard such that the local security policy contains a fewer number of rules than said global security policy; and

distribute the local security policy to said client wherein the local security policy includes the rules customized to the application guard, said rules including a set of grant rules that allow access to securable components and a set of deny rules that prevent access to said securable components; and

~~an application guard located at the client to manage access by individual transactions to securable components at a client level as specified by the local security policy, the securable components including at least one application wherein said application guard is integrated into~~

~~said application and controls access to the application with which the application guard is integrated;~~

wherein the application guard receives an authorization request including a subject, an object and a privilege and evaluates said request by matching the rules received from the policy manager to said subject, said object and said privilege in order to control access to said application integrated with the application guard, and

wherein the policy manager further

receives a modification on an existing global security policy;

computes any differences caused by the modification on the global security policy; and

commits only the changed portion of the global security policy to an appropriate application guard.

58. (Previously presented) The system of Claim 57 wherein said securable components further include a function within the application as specified by the security policy.

59. (Previously Presented) The system of Claim 57 including a procedure within the application as specified by the security policy.

60. (Previously Presented) The system of Claim 57 including a data structure within the application as specified by the security policy.

61. (Previously Presented) The system of Claim 57 including a database object referenced by the application as specified by the security policy.

62. (Previously Presented) The system of Claim 57 including a file system object referenced by the application as specified by the security policy.

63. (Currently Amended) A method for maintaining security in a distributed computing environment, comprising:

receiving a global security policy that includes a plurality of rules for regulating access to securable components in the system, the securable components including at least one



application wherein said rules of the global security policy apply to all application guards in the distributed computing environment;

creating a local security policy via a policy manager located on a server, the local security policy including a plurality of rules customized to a client wherein creating the local security policy includes customizing the local security policy by determining which of the rules from the global security policy are applicable to a specific application guard located on the client such that the local security policy contains a fewer number of rules than said global security policy;

distributing the local security policy to the client; [[and]]

receiving an authorization request by the application guard, the authorization request including a subject, an object and a privilege wherein said application guard is integrated into said application and controls access to the application with which the application guard is integrated;

managing access as specified by the local security policy via the application guard located at the client to securable components wherein managing access includes comparing the subject, object and privilege to the rules of the local security policy;

receiving a modification on an existing global security policy;

computing any differences caused by the modification on the global security policy; and

committing only the changed portion of the global security policy to an appropriate application guard.

64. (Previously Presented) The method of Claim 63 wherein the securable components include a function within the application as specified by the security policy.

65. (Previously Presented) The method of Claim 63 including a procedure within the application as specified by the security policy.

66. (Previously Presented) The method of Claim 63 including a data structure within the application as specified by the security policy.

67. (Previously Presented) The method of Claim 63 including a database object referenced by the application as specified by the security policy.

68. (Previously Presented) The method of Claim 63 including a file system object referenced by the application as specified by the security policy.

69-71. (Canceled).

72. (Currently Amended) A method for maintaining security in a distributed computing environment, comprising the steps of:

- receiving a global security policy that includes a plurality of rules for regulating access to securable components in the system, the securable components including at least one application wherein said rules of the global security policy apply to all application guards in the distributed computing environment;

- providing a policy manager located on a server to create a local security policy including a plurality of rules customized to a client wherein creating the local security policy includes customizing the local security policy by determining which of the rules from the global security policy are applicable to a specific application guard located on the client such that the local security policy contains a fewer number of rules than said global security policy;

- distributing the local security policy to the client;

- providing an application guard located at the client to manage access to securable components at a client level as specified by the local security policy, said application guard being integrated into said application and controlling access to the application with which the application guard is integrated;

- receiving an authorization request by the application guard, said authorization request including a subject, an object and a privilege; and

- controlling access to the securable components by matching the subject, object and privilege to the rules of the local security policy by the application guard;

- receiving a modification on an existing global security policy;

- computing any differences caused by the modification on the global security policy; and

- committing only the changed portion of the global security policy to an appropriate application guard.

73. (Previously presented) The method of Claim 72 wherein the securable components include a function within the application as specified by the security policy.

74. (Previously Presented) The method of Claim 72 including a procedure within the application as specified by the security policy.

75. (Previously Presented) The method of Claim 72 including a data structure within the application as specified by the security policy.

76. (Previously Presented) The method of Claim 72 including a database object referenced by the application as specified by the security policy.

77. (Previously Presented) The method of Claim 72 including a file system object referenced by the application as specified by the security policy.

78-80. (Canceled).

81. (Currently Amended) A computer readable storage medium having stored thereon a set of instructions to execute a method for maintaining security in a distributed computing environment comprising the steps of:

receiving a global security policy that includes a plurality of rules for regulating access to securable components in the system, the securable components including at least one application wherein said rules of the global security policy apply to all application guards in the distributed computing environment;

creating a local security policy via a policy manager located on a server, the local security policy including a plurality of rules customized to a client wherein creating the local security policy includes customizing the local security policy by determining which of the rules from the global security policy are applicable to an application guard located on the client such that the local security policy contains a fewer number of rules than said global security policy;

distributing the local security policy to the client; [[and]]

receiving an access request by the application guard, said access request including a subject, an object and a privilege wherein said application guard is integrated into said application and controls access to the application with which the application guard is integrated;

matching the access request to at least one rule selected from the rules of the local security policy in order to manage access as specified by the local security policy via the application guard located at the client to securable components;

receiving a modification on an existing global security policy;  
computing any differences caused by the modification on the global security policy; and  
committing only the changed portion of the global security policy to an appropriate application guard.

82. (Previously Presented) The computer readable storage medium of Claim 81 wherein the securable components include a function within the application as specified by the security policy.

83. (Previously Presented) The computer readable storage medium of Claim 81 including a procedure within the application as specified by the security policy.

84. (Previously Presented) The computer readable storage medium of Claim 81 including a data structure within the application as specified by the security policy.

85. (Previously Presented) The computer readable storage medium of Claim 81 including a database object referenced by the application as specified by the security policy.

86. (Previously Presented) The computer readable storage medium of Claim 81 including a file system object referenced by the application as specified by the security policy.

87-89. (Canceled).

90. (Previously Presented) The system of claim 57, wherein the application guard further allows for additional customized code to process and evaluate authorization requests based on the additional customized code.

91. (Previously presented) The system of claim 90, wherein the global policy specifies access privileges of a user to securable components.
92. (Previously presented) The method of claim 72, wherein the application guard further allows for additional customized code to process and evaluate authorization requests based on the additional customized code.
93. (Previously presented) The method of claim 92, wherein the global policy specifies access privileges of a user to securable components.
94. (Previously presented) The computer readable storage medium of claim 81, wherein the application guard further allows for additional customized code to process and evaluate authorization requests based on the additional customized code.
95. (Previously presented) The computer readable storage medium of claim 94, wherein the global policy specifies access privileges of a user to securable components.
96. (Previously presented) The system of Claim 57 wherein said policy manager is further capable of optimizing said global security policy into an optimized form, wherein the optimized form only distributes attributes relevant to a specific application guard.
97. (Canceled)
98. (Previously presented) The system of Claim 57 wherein said application guard is further capable of being associated with plug-ins to allow for additional capabilities based on customized code.

***Allowable Subject Matter***

4. Claims 57, 63, 72 and 81 are allowable. Claims 59-62, 64-68, 74-77 and 82-86, previously withdrawn from consideration as a result of a restriction requirement, require all the limitations of an allowable claim. Pursuant to the procedures set forth in MPEP § 821.04(a), **the restriction requirement, as set forth in the Office action mailed on 06/13/2005, is hereby withdrawn** and claims 59-62, 64-68, 74-77 and 82-86 are hereby rejoined and fully examined for patentability under 37 CFR 1.104. In view of the withdrawal of the restriction requirement, applicant(s) are advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.
5. Claims 57-68, 72-77, 81-86 and 90-98 are allowed.
6. The following is an examiner's statement of reasons for allowance: The prior art generally teaches modifying and implementing security policies based from a global security policy. However, the prior art fails to teach "receiving a modification on an existing global security policy; computing any differences caused by the modification on the global security policy; and committing only the changed portion of the global security policy to an appropriate application guard" in combination with the remaining claimed limitations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL PYZOSKA whose telephone number is (571)272-3875. The examiner can normally be reached on Monday-Thursday, 7:00am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on (571) 272-3865. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/M. P./  
Examiner, Art Unit 2437

/Emmanuel L. Moise/  
Supervisory Patent Examiner, Art Unit 2437